SŁOWIKOWSKI, Jan

Our modification of Marion's operation in the treatment of
portal hypertension in children. Pol. tyg. lek. 19 no.19:
728-731 4 My '64.

1. Z II Kliniki Chirurgicznej Akademii Medycznej we Wrocławiu
(kierownik: prof. dr Wiktor Bross).

WROSS, Wiktor, GLOWINOWSKI, Jan

Results of the anastomosis of the superior mesenteric vein
and the inferior vena cava in the treatment of portal hyper-
tension in children and adolescents. Pol. tyg. lek. 19
no.19:723-725 4 My '64.

1. Z II Klinika Chirurgiczne Akademii Medycznej we Wroclawiu
(kierownik: prof. dr Wiktor Bross).

SLOWIKOWSKI, Jan; SALANSKI, Jozef; KOHUT, Zdzislaw

late results of pyloromyotomy in children. Pol. tyg. lek. 20
no.31:1158-1160 2 Ag '65.

1. Z Kliniki Chirurgii Dzieciecej AM w Wroclawiu (Kierownik:
doc. dr. med. Jan Slowikowski i z Kliniki Radiologicznej AM
we Wroclawiu (Kierownik: doc. dr. med. Zbigniew Kubrakiewicz).

SLOWIKOWSKI, Jerzy, mgr inz.

Determination of additional losses resulting from indadequate
insulation among the magnetic sheets in transformer cores.
Przegl elektrotechn 40 no.10:445-448 O '64.

1. Department of High Voltages, Institute of Electrical Engineering,
Warsaw.

Slowikowski, S

621.314.2 : 621.317.333

5035.   Some problems in preventive testing of transformers. S. Slowikowski AND S. Zgrzziewski. Przeglad elektrotech., 31, No. 2-3, 23-25 (1955) In Polish.

Field tests indicated that direct application of Soviet standards for testing of transformer insulation would result in too many withdrawals from operation for maintenance. Data obtained include ratios of insulation resistance 15 sec (R_{15}) and 60 sec (R_{60}) from time of application of voltage (ratio varies with the state of insulation, temperature and applied voltage), magnitude of R_{60}, ratio of capacitance at 2 c/s (C_2) and 50 c/s (C_{50}), capacitance current and tan δ. A diagram of a circuit for measurement of C_2/C_{50} is shown in detail. Acceptable magnitudes of these insulation characteristics, which would allow satisfactory operation of the power system, are discussed.

J. Teksinowicz

Slowikowski, W. A.

Slowikowski, W. A generalization of the theory of distributions. Bull. Acad. Polon. Sci. Cl. III. 3, 3–6 (1955).

L'auteur développe un formalisme contenant comme cas particuliers la construction du groupe des nombres rationnels à partir du groupe des nombres entiers (groupe quotient), la construction des opérateurs de Mikusiński [Studia Math. 11, 41–70 (1950); MR 12, 189] et la construction des distributions (Schwartz, Théorie des distributions, t. I, Hermann, Paris, 1950; MR 12, 31], à partir des fonctions continues.   L. Schwartz (Paris).

Słowikowski, W. On the theory of operator systems.
Bull. Acad. Polon. Sci. Cl. III. 3, 137–142 (1955).
Cet article contient des compléments et exemples au
théorème topologique fondamental démontré dans la note
analysée ci-dessus.   L. Schwartz (Paris).

Słowikowski, W. Note on the general theory of closed
continuous mappings of bicompact T_1 spaces. Bull.
Acad. Polon. Sci. Cl. III. 3 (1955), 421–424.

"In this paper, I wish to present an algebraic point of
view on the theory of closed continuous mappings of bi-
compact T_1-spaces. In this way I obtain the natural
characterisation of the family of inverse images of an
arbitrary closed continuous mapping of bicompact T_1-
spaces. This result may be applied to the theory of semi-
continuous decompositions of bicompact T_1-spaces."
(Author's summary.)

M. *Henriksen* (Lafayette, Ind.).

1 - F/W

Słowikowski, W.; and Zawadowski, W. A generalization
of maximal ideals method of Stone and Gelfand. Fund.
Math. 42 (1955), 215–231.

A semiring [Vandiver, Bull. Amer. Math. Soc. 40 (1934),
914–920] is a non-void set $\mathfrak{A}$ with two binary associative
operations, $+$ and $\cdot$, for which the left and right distri-
butive laws hold. It is assumed throughout this paper that
both $+$ and $\cdot$ are commutative, that there is a zero
0 ($0+x=x$ for all x) and an identity 1 ($1\cdot x=x$ for all x),
and that $0\neq 1$. An ideal of $\mathfrak{A}$ is a non-void proper subset I
of $\mathfrak{A}$ such that $a+b\in I$ if $a, b\in I$ and $ax\in I$ if $a\in I$ and
$x\in\mathfrak{A}$. $\mathfrak{A}$ is called a positive semiring if $(1+x)^{-1}$ exists for
all $x\in\mathfrak{A}$. Let $\mathfrak{M}$ be the set of all maximal ideals of $\mathfrak{A}$.
Let Ω be the set $\{x: x\in\mathfrak{A}, x^{-1}$ exists$\}$. For a positive semi-
ring $\mathfrak{A}$, the radical Rad $\mathfrak{A}$ is defined as $\cap\{M: M\in\mathfrak{M}\}$.

A number of simple facts about semirings are first
proved. The following are a fair sample. Theorem 4. $\mathfrak{A}$ is
positive if and only if $x+y\in M$ implies $x, y\in M$ for all
$M\in\mathfrak{M}$. Theorem 5. Let A be a positive semiring. Then
Rad $A=\{0\}$ if and only if for every $x\neq 0$, there is $y\in\Omega$
such that $x+y\in\Omega$. Theorem 8. Let $\mathfrak{A}$ be positive. The
following conditions are equivalent. (a) For $M, N\in\mathfrak{M}$ and
$M\neq N$ there exist x, y such that $xy\in$ Rad $\mathfrak{A}$, $x\notin M$, and
$u\notin N$. (b) For every $M\in\mathfrak{M}$ and $x\notin M$, there are a, b such

Slowikowski, W.; Zawadowski, W.

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that $ab \in \text{Rad } \mathfrak{A}$, $b \notin M$, and $x+a \in \Omega$. (c) If $x+y \in \Omega$, then there are $u, v \in \mathfrak{A}$ such that $uv \in \text{Rad } \mathfrak{A}$ and $(x+u)$. $(u+v) \in \Omega$.

The authors next topologize $\mathfrak{M}$ by the method of M. H. Stone [Trans. Amer. Math. Soc. **40** (1936), 37–111]. [See also Gel'fand and Šilov, Mat. Sb. N.S. **9(51)** (1941), 25–39; MR **3**, 52; and Jacobson, Proc. Nat. Acad. Sci. U.S.A. **31** (1945), 333–338; MR **7**, 110.] A sub-basis for open sets in $\mathfrak{M}$ are the sets $\Gamma_x = \{M : M \in \mathfrak{M}, x \notin M\}$, for all $x \in \mathfrak{A}$. It is easy to show that $\mathfrak{M}$ is a compact T_1-space with this Γ-topology. Theorem 14. Let $\mathfrak{A}$ be positive and suppose that if $x, y \in A$ and $x \neq y$, there is an $M \in \mathfrak{M}$ such that exactly one of x, y is in M. Then $\mathfrak{A}$ is isomorphic with a semiring of sets ($\cup$ and $\cap$ correspond to $+$ and $\cdot$) forming an open basis for the compact T_1-space $\mathfrak{M}$. Theorem 17. Let $\mathfrak{L}$ be a distributive lattice with 0 and 1 such that for all $x, y \in \mathfrak{L}$ with $x+y=1$, there are $u, v \in \mathfrak{L}$ for which the equalities $uv=0$, $u+x=1$, $v+x=1$ hold. Then $\mathfrak{L}$ is isomorphic with an open basis of sets for some compact Hausdorff space. As applications, the authors prove the known theorems that a compact Hausdorff space X is determined by its lattice of open sets and also by the semiring of non-negative continuous real-valued functions on X.

It would be interesting to know the relation between the radical Rad $\mathfrak{A}$ and the Jacobson radical for A introduced by Bourne [ibid. **37** (1951), 163–170; MR **13**, 7].

E. Hewitt (Seattle, Wash.).

$SL(w/h - h kl, W.$

1-F\W

Słowikowski, W. Note on the application of the Pauli ring to form the metric tensor in the general theory of relativity. Bull. Acad. Polon. Sci. Cl. III. 4 (1956), 313-320.

Spin-tensors (called in the paper P-tensors) are considered as elements of the Pauli ring. An anholonomic coordinate system is used to introduce a metric tensor, a non-symmetric connexion and an "invariant" derivative. (This derivative is rather meaningless, being non-covariant. The author's formalism differs only in notation from that used in the spinor calculus.) A. Trautman.

MT

SŁOWIKOWSKI, W.

Słowikowski, W. A generalisation of Mikusiński's operational calculus. Bull. Acad. Polon. Sci. Cl. III. 4 (1956), 643–647.

The author seeks a solution for the differential system

$$x^n(t) + A_1 x^{n-1}(t) + \cdots + A_n x(t) = a(t) \quad (-\infty < t < \infty),$$

$$x^j(0) = x_j \quad (j = 0, 1, \cdots, n-1).$$

Here X_0 is a linear topological space, locally convex and sequentially complete; X is the space of functions $y(t)$ which are continuous in t and valued in X_0; the A_i are given linear continuous endomorphisms of X_0; the x_j are given elements in X_0; the $a(t)$ is an element (given) in X and the solution $x = x(t)$ is required to be in X.

The classical method of successive approximations could be applied here to show that there is one and only one solution. However the author seeks to express the solution by means of an algebraic formula, using appropriate inversion operators. For this purpose he lets S denote the operator on X: $Sx = y$ means $x(t) = \int_0^t y(\tau)d\tau$. Then X is imbedded in a space H so that S can be ex-

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tended to an automorphism of Ω [this employs a completion process described by the author in same Bull. 3 (1955), 3–6; MR 17, 63]. Then the author assumes that the polynomial $\xi^n + A_1\xi^{n-1} + \cdots + A_n$ can be suitably factored as $(\xi - B_1)^{n_1}(\xi - B_2)^{n_2} \cdots (\xi - B_k)^{n_k}$; with this assumption, he obtains an algebraic expression, using inverses of operators $S - B_r$, to express the solution of the given differential system.   *I. Halperin.*

SIGHIKOWTI, W.

Note on the application of the Pauli Ring to form the metric tensor in the general theory of relativity. In English. p. 313. (Matematyka, Vol. 4, No. 6, 1956, Warsaw, Poland)

SO: Monthly list of East European Accessions (EEAI) LC, Vol. 6, No. 8, Aug 1957. Uncl.

SLOWIKOWSKI, W.

"A generalization of Mikusinski's operational calculus.   In English."

p. 643 (Bulletin) Vol. 4, no. 10, 1956
Varsovie, Poland

SO: Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 4,
      April 1958

SLOWIKOWSKIY, W.

Słowikowski, W. A topologisation of the conjugate space
of a locally convex linear space. Bull. Acad. Polon.
Sci. Cl. III. 5 (1957), 113–115, XI. (Russian summary)

Let X' denote the conjugate space of a locally convex
linear topological space X. Examples are known where X'
is an F-space but is not a t-space (espace tonnelé), and is
not bornological in the strong topology [J. A. Dieudonné,
Bull. Amer. Math. Soc. 59 (1953), 495–512; MR 15, 963].
The author introduces a new topology for X', in terms of
which he obtains several new results, including the follow-
ing. He shows that X' becomes bornological and is a t-
space. Moreover, if X is bornological it can be isomorphical-
ly imbedded in X''. The new topology is defined as follows.
First, a family $\mathcal{R}$ of subsets of X will be called bounded
if for every neighborhood U of the origin there is a real
number $\lambda > 0$ and an element $A \in \mathcal{R}$ such that $\lambda A \subset U$.
Now consider the bounded families $\mathcal{R}$ of non-empty,
symmetric, convex subsets of X which contain with each
pair A, B an element $C \subset A \cap B$. For each such $\mathcal{R}$, define
the pseudo-norm $|x'|_{\mathcal{R}} = \inf_{A \in \mathcal{R}} (\sup_{x \in A} x'(x))$. The author's
topology is that which is induced in X' by these pseudo-
norms.   D. H. Hyers (Los Angeles, Calif.).

1-F\W
2

Słowikowski, W. On a certain variation problem in P-geometry and its relations to physical problems. Bull. Acad. Polon. Sci. Cl. III. 5 (1957), 385–386, XXXI. (Russian summary)

This is a continuation of a paper by the same author on applications of the Pauli ring [same Bull. 4 (1956), 313–320; MR 18, 447]. Equations similar to those of Dirac and Proca are derived from a variational principle.

A. Trautman (Warsaw)

2

Słowikowski, W. On a certain subclass of (DF) linear locally convex spaces. Bull. Acad. Polon. Sci. Cl. III. 5 (1957), 387–388, XXXI. (Russian summary)

The author defines a DB_0 space X as a linear locally-convex bornological space for which there is a sequence of Banach spaces $\{X_n\}$ each of which can be mapped linearly into X with no kernel and such that if B is a bounded subset of X then B is bounded in at least one X_n. The author has given a definition of strongest dual of a locally convex linear topological space (l.t.s.) [same Bull. 5 (1957), 113–115; MR 19, 154] and he asserts the strongest dual of a metrizable locally convex l.t.s. is a DB_0 space. The DB_0 spaces satisfy property P defined in the review below. *D. G. Bourgin* (Paris).

Słowikowski, W. (hF)-spaces and the Banach inversion property. Bull. Acad. Polon. Sci. Cl. III. 5 (1957), 487–489, XLI. (Russian summary)

A class K of real linear spaces has the Banach inversion property, P, if for every pair X, $Y \in K$ and every 1-1 linear transformation h of X onto Y, h^{-1} is continuous. A linear space, X, is an hF space if it is the union of a fixed ascending sequence of F spaces $\{X_m\}$ each with an F norm metric $\|\cdot\|_m$ (i.e., norm except for positive homogeneity), where $\|(x_n \mid X_m)\|_m \to 0$, $n \to \infty$, implies $\|(x_n \mid X_m)\|_{m+1} \to 0$. The topology of X induced by $\{X_n, \|\cdot\|_n\}$ is termed the hF topology. The convergence notions are introduced in the usual way: $\{x_n\} \subset X$ is h-convergent to x_0, i.e., $x_n \overset{h}{\to} x_0$, if for some m, $\{x_n\} \cup (x_0) \subset X_m$ and $\|x_n - x_0\|_m \to 0$. Also $x_n \overset{h^*}{\to} x_0$ if for an arbitrary subsequence $\{x_n'\}$ and for some $\{x_{n_s}'\} \subset \{x_n'\}$, $x_{n_s}' \overset{h}{\to} x_0$; so h- or h^*-continuity of a distributive operation, $U: X \to Y$ is clear. The author asserts h-, h^*-continuity and the closure of the graph of U are all equivalent and that the hF spaces satisfy P. Extension is made to locally convex hF spaces, i.e., hF spaces admitting a bornological locally convex topology compatible in a natural way with the hF topology. D. G. Bourgin.

SLOWIKOWSKI, W. (Warszawn)

An abstract form of the measure theoretic method of exhaustion.
In English. Fund.mat. 48 no.1:79-84 '59.   (EEAI 9:5)

1. Mathematical Institute of the Polish Academy of Sciences.
          (Aggregates)   (Algebra)

SLOWIKOWSKI, W.

The concept of inductive families of (F)-spaces in connection
with solvability of linear equations. Bul Ac Pol mat 11 no.8:
517-520 '63.

1. Institute of Mathematics, Polish Academy of Sciences,
Warsaw. Presented by R. Sikorski.

SLOWIKOWSKI, W.

Linear operators in spaces of distributional type. Bul Ac Pol mat 11 no.8:521-524 '63.

1. Institute of Mathematics, Polish Academy of Sciences, Warsaw. Presented by R. Sikorski.

SLOWIKOWSKI, W.

The concept of (T)-sequence. Bul Ac Pol math 12 no.8:465-470 '64.

1. Institute of Mathematics of the Polish Academy of Sciences, Warsaw. Presented by R. Sikorski.

... ...

... ...quences and inductive families of... ...spaces. ... Ac Pol
mat, 12 no. 10;613-615 '64.

1, Institute of Mathematics of the Polish Academy of Sciences.
Submitted July 4, 1964.

7

N-Haloamides. VIII. The *N,N*-dibromo-*p*-azobenzenesulfonamide and *N*-bromo-*p*-azobenzenesulfonamide salts of mono- and divalent metals. · A. Chrzaszczewska, H. Bielawski, R. Skowroński, J. Słowiński, and M. Ungier (Univ. Łódz, Poland). *Łódz. Towarz. Nauk., Wydział III, Acta Chim.* 3, 79-85(1958)(in English); cf. *C.A.* 52, 4536f. —The synthesis of the Li, Mg, and Ca salts (among others) of the title compds. were prepd. $ClSO_3H$ (786 g.) was treated at 25-30° with 136.5 g. finely powd. (PhN:)$_2$ during 0.5 hr., the mixt. heated with const. stirring on a boiling water bath 4 hrs., after cooling poured onto crushed ice, the ppt. filtered off, washed with warm H_2O to remove acid, and dried at 105-200° to yield 200 g. crude p-ClO_2S. $C_6H_4N:NPh$ (I), m. 121-3°. I heated with aq. NH_3 at 40-60° 5 hrs. yielded p-$H_2NO_2SC_6H_4N:NPh$ (II), m. 224-5°. II (6.5 g.) in 50 ml. *N* NaOH was treated at 20° with 8.8 g. Br during 15 min., the mixt. stirred 3 hrs at 30°, cooled, the product filtered off, washed with H_2O, dried, and recrystd. from CCl_4 to yield 81% p-$Br_2NO_2SC_6H_4N:NPh$ (III), m. 130-1°. Slight instability of III (Br loss) was noted over a 10-week period. III (5.2 g.) in 5 ml. H_2O was treated during 20 n n. with 25 ml. *N* NaOH, the mixt. stirred 3 hrs. at 30°, and the solid cryotd. from H_2O to yield 2.4 g. pure PhN:$NC_6H_4SO_2NBrNa$-p (IV). III (10.5 g.) with 6.5 g. II in 50 ml. H_2O was heated to 30°, 2 g. NaOH in 25 ml H_2O added during 1 hr., the mixt. heated 3 hrs. at the same temp., cooled, filtered, washed with cold H_2O, and recrystd. from distd. H_2O at 60° to give 12.3 g. pure IV. The K salts were prepd. similarly to the Na salts. II (6.5 g.) in 46 ml. LiOH (0.0250 g./ml.) at 30° was treated with 4.2 g. Br during 30 min., kept 4 hrs. at 30°, and recrystd. from H_2O at 35° to give 0.4 g. glittering, red-orange cryst. *Li salt*. The *Ca salt* was prepd. by Br acting on the Ca salt of II in lime H_2O, by the action of CaO on a mixt. of II and III, and by the action of $CaCl_2$ or $Ca(OH)_2$ on the Na salt of the *N*-bromoamide. The *Mg salt* was prepd. from IV and $MgCl_2.6H_2O$ in H_2O. Roland M. Waters

BACZYK, Stefan; LEMPKA, Aleksander; SLOWINSKI, Wlodzimierz.

Potentiometric method of determination of vitamin C with oxalic
acid as stabilisor. Polski tygod.lek. 10 no.51:1642-1645 19 Dec 55.

1. Z Zakladu Chemii Ogolnej Wydzialu Lekarskiego A.M. w Poznaniu i
z Zakladu Towaroznawstwa Rolno-Spozywczego W.S.E. w Poznaniu.
Poznan, Zaklad Chemii Ogolnej Wydz. Lek. A.M.
        (VITAMIN C, determination,
            potentiometric method with oxalic acid as
            stabilisor (Pol))
        (OXALATES,
            as stabilisor in potentiometric determ. of vitamin C (Pol))

SLOWINSKI., W.; SWIERCYNSKI, A.; WOJTOWIAK, S.;

Acceleration of the process of aging condiments for soup.

P. 224. (PRZEMSL SPOZYWCZY) (Warsaw, Poland) Vol. 11, no. 7, July 1957

SO: Monthly Index of East European Accession (EEAI) LC Vol. 7, No. 5. 1958

BACZYK, Stefan; LEMPKA, Aleksander; SLOWINSKI, Wlodzimierz

2% oxalic acid as stabilizer of vitamin C in methods of
quantitative determination. Polski tygod. lek. 12 no.8:
293-296 18 Feb 57.

1. (Z Zakladu Chemii Ogolnej Wydzialu Lekarskiego Akademii
Medycznej w Poznaniu i Zakladu Towaroznawstwa Artykulow
Rolno-Spozywczych Wyzszej Szkoly Ekonomicznej w Poznaniu).
Adres: Poznan, ul. Grunwaldzka 6/8 Zakl. Chemii Ogolnej
Wydz. Lek. A.M.
(VITAMIN C, determ.
    oxalic acid as stabilizer (Pol))
(OXALATES
    oxalic acid as stabilizer in vitamin C determ. (Pol))

SZCZEPSKI, Olech; SLOWINSKI, Wlodzimierz

Chromatographic studies of amino acids in the cerebrospinal fluid
in children in certain pathologic conditions. (Preliminary communi-
cation). Pediat.polska 34 no.10: 1303-1310 O '59.

1. Z Kliniki Chorob Dzieci A.M. w Poznaniu. Kierownik: doc.dr.med.
O. Szczepski.
             (AMINO ACIDS cerebrospinal fluid)
             (PEDIATRIC DISEASES cerebrospinal fluid)

SLOWINSKI, C.

An all-purpose feeder.

p. 9 (MECHANIZATOR) (Warszawa, Poland) Vol. 7, no. 12, Dec. 1957

SO: Monthly Index of East European Accessions (EEAI) LC Vol. 7, No. 5. 1958

POLAND/General Problems of Pathology. Comparative Oncology. Human   U-5
           Tumors.

Abs Jour : Ref Zhur - Biol., No 14, 1958, No 66080

Author   : Slowkowski J., Michejda A.
Inst   : -
Title   : Giant Tumors of the Abdominal Cavity

Orig Pub : Przegl. lekar., 1955, 11, No 5, 152-155

Abstract : A giant tumor of the abdominal cavity is described which
           weighed 34.4 kg. Histologically it proved to be a pseudomucin-
           ous cystadenoma which most likely had originated from the
           ovary. The postoperative course was uneventful and the
           patient was discharged after 3 weeks. -- V.I. Yanishevskiy.

Card   : 1/1

SLOYEVSKIY, F.I., inzh.

Utilization of construction equipment and overall mechanization
in power-station construction. Mekh. stroi. 19 no.8:8-12 Ag '62.
(MIRA 16:7)

(Construction equipment)
(Electric power plants)

KUSOV, N.F., kand. tekhn. nauk; SLOZHENIKIN, V.F., insh.

Studying the hydrodynamic gas flow from airbreakers in
coal mining with high-pressure compressed air. Vzryv.
delo no.57/14:282-290 '65.
                                              (MIRA 18:11)

SLOZHENIKINA, L.V. Cand biol Sci -- (diss) "Characteristics of carbo-
hydrate-phosphorous and acid interchange in muscular tissue after

Mos,1957. 15 pp with diagrams 20 cm (Mos Order of Lenin and Order of
M.V.
Labor Red Banner State Univ im Lomonosov. Biol-Soil Faculty) 100 copies.

(KL, 9-57, 100).

- 3 -

USSR/Human and Animal Physiology. Neuro-Muscular Physiology.   T

Abs Jour: Ref Zhur-Biol., No 8, 1958, 36807.

reasons of the decrease in formation of labile P.
during incubation of the pulp of deefferentiated
muscles. Another reason is the disturbed synthesis
of ATP. Changes in muscle metabolism noted after
section of the common trunk of the sciatic nerve
are produced mainly by the absence of trophic effects
from the motor innervation.

Card   : 3/3

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The Effect of Deafferentation and Deeferentation of XXXXXXXXXX
a Muscle Upon the Level of Carnosine and Anserine Contained.
20-2-44/67
muscles symmetrical to these served as a means of control.The
carnosine and anserine content was ascertained in the 3-chlorine-
acetric-acid extraction by means of the distribution chromatogra-
phic method on paper.The deafferentiation of the muscles leads to
a slight (18%) decrease of the carnosine content.Anserine content
is apparently dependent on still smaller fluctuations.In the case
of a deefferentiation, the carnosine content decreases about a
fortnight after the operation until it disappears entirely after
36 days. In spite of this no histidene is found in muscles.Oppo-
sing results are found for the anserine content on the occasion of
deefferentiation.After a fortnight it increases and remains increa-
sed until the 6oth day. From the contrast of the results of the au-
thors with the data from publications it becomes obvious that the
fluctuations of carnosine and anserine content after a muscle-de-
nervation depend practically only on the elimination of motorio fi-
bres. Thsu the disjunction of the rear roots of the spinal marrow
together with the removal of the spinal marrow ganglia in the ca-
se of cats leads to an unessential decrease of the carnosine con-
tent; anserine content practically remains unchanged.The disjunc-
tion of the front roots ofthe spinal marrow causes a decrease and
later even thedisappearance of carnosine content.Anserine content
increases andremains increased until the 6oth day after the opera-
Card 2/3   tion.

KDRYU... , L.V.,   ... , I.I., ..., ..A., ..., ..X.,
...., ..., (USSR)

    "The Reserve Heterop... in Plants."

Report presented at the 5th Int'l. Biochemistry Congress, Moscow,
10-16 Aug 1961.

STEPANENKO, B.N.; SLOZHENIKINA, L.V.

Study of intermediate products in the hydrolysis of eremuran.
Dokl.AN SSSR 138 no.6:1460-1463 Je '61.   (MIRA 14:6)

1. Institut biokhimii im. A.N.Bakha AN SSSR. Predstavleno akademikom
A.I.Oparinym.
                        (EREMURAN) (HYDROLYSIS)

SLOZHENIKINA, L.V.; SHCHERBUKHIN, V.D.; STEPANENKO, B.N.

Studying eremuran and mannan from salep by infrared spectro-
scopy. Dokl. AN SSSR 153 no.4:960-963 D '63.

(MIRA 17:1)

1. Institut biokhimii im. A.N. Bakha AN SSSR. Predstavleno
akademikom A.I. Oparinym.

KHMELEVA, L.V.; POPOVA, N.K.

Effect of apradil on oxidative phosphorylation in an experimental
myocardial infarct. Vop. med. khim. 11 no.4:63-69 Jl-Ag '65.
(MIRA 18:8)

1. Otdel eksperimental'noy biologii instituta tsitologii i
genetiki Sibirskogo otdeleniya AN SSSR, Novosibirsk.

FRID, Ye.S.; MIROSHNIKOV, G.V.; SLOZHENIKIN, N.I.; BARCHUGOV, V.V.

Neutron detector on the basis of a "long" counter. Atom.
energ. 16 no. 4:365-366 Ap '64.   (MIRA 17:5)

ACC NR: AP6009871   (A)   SOURCE CODE: UR/0413/66/000/004/0068/0068

INVENTOR: Petrov, K. D.; Sokolov, A. D.; Kagucheva, Ye. S.; Timofeyev, A. V.; Slozhenikina, N. M.; Soldatova, Ye. A.

ORG: None

TITLE: Preparation of molding material with novolak resin. Class 39, No. 178978

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 4, 1966, 68

TOPIC TAGS: molding material, novolak resin

ABSTRACT: An Author Certificate has been issued describing a method using dry rolling for making a molding material from novolak resin and a nitrogen-containing organic compound. To extend the variety of molding materials with high dielectric properties anhydroformaldehyde aniline is suggested as the oxygen-containing organic compound.
[LD]

SUB CODE: 11/ SUBM DATE: 14Jul62

Card 1/1

SLOZHENIKINA, Ye.I., otv. za vypusk; BORODIN, S.A., tekhn.red.

[Forty years of Kazakhstan; statistical collection] Kazakhstan
za 40 let; statisticheskii sbornik. Alma-Ata, Gosstatizdat,
1960.   524 p.   (MIRA 14:2)

1. Kazakh S.S.R. Statisticheskoye upravleniye.
      (Kazakhstan--Statistics)

SLOFIL, J.

Problems of the present methods applied in the measuring of labor productivity. p. 310.
(Prumysl Potravin. Vol. 8, no. 6, 1957. Praha, Czechoslovakia)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, no. 10, October 1957. Uncl.

ZLOTH, J.

Technologists as seen by economists. p. 194.

KRIDLA VLASTI. (Svaz pro spolupraci s armadou)
Praha, Czechoslovakia
Vol. 5, no. 8, Aug. 1959.

Monthly List of East European Accessions (EEAI), LC, Vol. 8, no. 11.
Nov. 1959
Uncl.

SLOZIL, Jaroslav, inz.

Ensuring the cooperation of workers on the analysis of costs.
Prum potravin 13 no.4:173-175 Ap '62.

1. Jihomoravske pivovary, n.p., Brno.

SLOZIL, Jaroslav

Present state of soda water plants and their outlook in the
new organisation. Kvasny prum 9 no.4:90-93 Ap '63.

1. Jihomoravske pivovary, n.p., Brno.

SLOZIL, Jaroslav

Experience in making use of the labor consumption units.
Kvasny prum 9 no.7:168-170 Jl '63

1. Jihomoravske pivovary, n.p., Brno.

SLOZIL, J.

Experience in using outside transportation for beer and
lemonade delivery. Kvasny prum 9 no.11: 267-268 N'63.

1. Jihomoravske pivovary, n.p., Brno.

SLOZIL, Jaroslav, inz.

Measurement of labor productivity by the work involved units.
Prace mzda 11 no.6:267-271 Je '63.

1. Jihomoravske pivovary, n.p., Brno.

SLOZIL, Jaroslaw, inz.

Doubtful resources of labor productivity increase. Prace
mzda 11 no.11:516-518 N'63.

1. Jihomoravske pivovary, n.p., Brno.

SLOZIL, Jaroslav

Extending the use of labor-consuming standards.
Kvasny prum 10 no. 2: 43-44 F '64.

1. Jihomoravsko pivovary, n.p., Brno.

CIOZIL, J.

Conference of foremen in the Jihomoravske pivovary National
Enterprise. Kvasny prum 10 no. 6: 39 Je '64.

SLOZIL, Jaroslav, inz.

By more accurate measurement of labor productivity to a more
equitable evaluation of the working results. Prace mzda 12
no.3:114-117 Mr'64

1. Jihomoravske pivovary National Enterprise, Brno.

SLOZIL, Jaroslav, inz.

Increasing the use of labor-consumption units in labor
productivity planning. Pod org 18 no. 1:22-23 Ja '64.

1. Jihomoravske pivovary, Brne.

SMAZIL, Jaroslav

Comparison of enterprises, a way of making production more economical. Kvasny prum 10 no. 3:186-187 Ag '64.

1. Jihomoravske pivovary National Enterprise, Brno.

SICZIL, Jaroslav

Present problems of lemonade and soda water distribution.
Kvasny prum 10 no.10:231-232 O '64.

1. Jihomoravske pivovary National Enterprise, Brno.

SLOZIL, Jaroslav, inz.

By improved worksite environment and cultural conditions
to better results. Prace mzda 12 no.10:467-470 O '64.

1. Jihomoravske pivovary National Enterprise, Brno.

FOTESIL, Vaclav; SLOZIL, Jaroslav

Information on the visit to the Yugoslav breweries. Kvasny
prum 10 no.11:251-253 N '64.

1. Jihomoravske pivovary National Enterprise, Brno.

SLOGIL, J.; BRZOBOHATY, A.

Insuring the improvement of qualification. Kvasny prum 11 no.3:
64-66 Mr '65.

1. Jihomoravske pivovary National Enterprise, Brno.

SLOZIL; TOMANEK.-

Two successes of the workers in Jihlava brewery. Kvasny prum 9 no.1:20 Ja '63.

VARLAMOV, V.S.; SLOZINA, Kh.Z.

     Isomerization and polymerization of unsaturated vegetable oils. Patent
     U.S.S.R. 77,549,Dec.31, 1949.
     (CA 47 no.19:10254 '53)

KOPACKA, Bronislawa; LUKAWSKA, Halina; SLUBICKA, Anna

Serological and bacteriological studies in the detection of typhoid carriage. Med.dosw.mikrob. 13 no.1:1-13 '61.

1. Z Zakladu Bakteriologii Panstwowego Zakladu Higieny w Warszawie i Staeji Sanitarno-Epidemiologieznej w Warszawie.

(TYPHOID transm)

KOPACKA, Bronislawa; SLUBICKA, Anna

Evaluation of vaccines and of the effectiveness of vaccinations
against typhoid fever. II. The S. typhi antibody picture in
the population designated for the control of anti-typhoid
vaccination. Przegl. epidem. 17 no.1/2:13-21 '63.

1. Z Zakladu Bakteriologii Panstwowego Zakladu Higieny w
Warszawie.
                (TYPHOID-PARATYPHOID VACCINES)
                (ANTIBODIES)   (STATISTICS)

KOPACKA, Bronislawa; SLUBICKA, Anna

Evaluation of vaccines and of the effectiveness of vaccinations
against typhoid fever. VIII. Serological reactions in subjects
vaccinated with various antityphoid vaccines. Przegl. epidem.
17 no.1/2:55-62 '63.

1. Z Zakladu Bakteriologii Panstwowego Zakladu Higieny w
Warszawie.
(TYPHOID-PARATYPHOID VACCINES) (STATISTICS)

SLUBKO, H.L.

USSR /Microbiology. Antibiosis and Symbiosis.   F-2
        Antibiotics.

Abs Jour: Referat. Zh.-Biol., No. 9, 1957, 35572

Author : Kaskin, P.M.; Goliakov, P.N.; Kashkin, K.P.;
          Slubko, A.L.; Iamshchikov, V.P.

Title   : Common Modifications Features in Conditionally
          Pathogenic Microorganisms Under the Influence
          of Antibiotics

Orig Pub: V sb: Zhiviye vaktsiny, M., 1956, 279-288

Abstract: Conditionally pathogenic faecal alkali-formers,
          enterococci, intestinal and "Morgan" bacilli
          possessed different sensitivity to streptomycin
          (I), biomycin (II), synthomycin (III), levomy-

Card 1/3

USSR /Microbiology. Antibiosis and Symbiosis.   F-2
        Antibiotics.

Abs Jour: Referat. Zh.-Biol., No. 9, 1957, 35572

cetin (IV), and pennicillin (V). In relation
to the last two bacteria I, III, IV were much
more active, and in relation to the faecal alkali-
former-III. Enterococci showed sensitivity to
V, I, and III. Passage on the media with growing
content of antibiotics helped the development of
a resistance in the microbes to the preparations
studied. The microbes were most easily adapted
to streptomycin. The intestinal bacilli, the
faecal alkali-formers and partially the "Morgan"
bacilli adapted more quickly than the others.
In the highly resistant variants polymorphism of
the cell elements and weak biochemical activity
in comparison with the original cultures were
notéd. A comparison of the adaptive pathogenic

Card 2/3

USSR /Microbiology. Antibiosis and Symbiosis.   F-2
      Antibiotics.

Abs Jour: Referat. Zh.-Biol., No. 9, 1957, 35572

          and conditionally pathogenic microorganisms man-
          ifested common features in the modification of
          their morphological-biochemical properties.

Card 3/3

KASHKIN, P.N.; DROZDOV, A.I.; KONEV, Yu.Ye.; SLUPKO, A.L.

Cultivation properties and viability of antibiotic-resistant
variants of paratyphoid, dyseter, and coli bacilli. Antibiotiki
5 no. 5:63-68 S-O '60. (MIRA 13:10)

1. Kafedra mikrobiologii Leningradskogo gosudarstvennogo instituta
usovershenstvovaniya vrachey imeni S.M. Kirova.
(SALMONELLA) (SHIGELLA) (ESCHERICHIA COLI)

MOSKOWICZ, Tadeusz; SLUTOWSKI, Tadeusz

Renal lesions in cases of Schoenlein-Henoch's syndrome. Polski tygod.
lek. 14 no.46:2037-2039 16 Nov 59.

1. (Z Oddzialu Wewnetrznego A Szpitala im. dr. K. Jonschera w Lodzi;
ordynator. dr med. M. Taube).
        (KIDNEYS, pathol.) (PURPURA, pathol.)

ZAPRHIK, A......' ...., .E.....'IT. ....gay ....ovi.h,
        . ... ..khn. .a.k, R.K.W. A.1., ...d. .ek'.n. nauk;
        ....t, SLUCHAK, L.V., i....; re....z.nt; KAMENSKIY,
        Ye.V., na..hn. r.d.. K.SK.VA. A.I.; r.i.

        [Seagoing fishing ....a] M..k.. ry.....shlennye suda.
        Leningrad, S.......e..e, 196.. 371 p.   (MIRA 16:10)

SLUC'IAIIKO, A.P.

Unsuspected aspiration of a metallic dental prosthesis. Stomatologiia
37 no.2:71 Mr-Ap '58.
(MIRA 11:5)

1. Iz Krymskoy oblastnoy klinicheskoy bol'nitsy (glavnyy vrach
N.I. Markina).
(BRONCHI--FOREIGN BODIES)

STRUGININ, ..T., ...d Col -- .. .." *Simferopol*,

.... (.... .... T.7. .' ....),

.... (.. ,..-.., ...)

SLUCHANKO, B.

Mirmekiy relates. Znan. ta pratsia no. 3:22-23 Mr '61.

(MIRA 14:5)

(Kerch region—Antiquities)

1. ГАВЛЕНОК, Ю. Л.: ГЕРАЩЕНКО, В.С. : ЗАЦЕВ, Л. А.

2. СССР   (ИИИ)

"Бет Текотс ствилиации Чатрlля of Paradise," Жур. Физ. Хим., 15, No. 10,
1957. ССР, Минк, Laboratory of Chemical термодинамicтец.   Received 11 Jan 1957.

3. [████]еport АИ-15, 3 Jan. 1958.

SLUCHANKO, E.G., SEMENOV, B.V., gornyy inzh.-ekonomist; KHABAROVA, A.S., kand. ekonom. nauk

Efficiency of introducing the KM-100 hydraulic stoping complex. Ugol' 40 no.6:58-61 Je '65. (MIRA 18:7)

1. Glavnyy inzh. shakhty No.23 kombinata Karagandaugol' (for Sluchanko). 2. Shakhta No.23 kombinata Karagandaugol' (for Semenov). 3. Moskovskiy institut radioelektroniki i gornoy elektromekhaniki (for Khabarova).

BIRYUKOVA, A.N.; DOGLE, N.V., dots.; SLUCHANKO,I.S.; MERKOV,A.M.,
inzh., red.

[Practical aid in using health statistics] Praktikum po
primeneniiu sanitarnoi statistiki. Moskva, TSentr. in-t
usovershenstvovaniia vrachei, 1964. 255 p.
(MIRA 18:2)

BIRYUKOVA, R.N., kand.med.nauk, assistent po razdelu sanitarnoy statistiki;
DOGLE, N.V., kand.med.nauk, assistent po razdelu sanitarnoy sta-
tistiki; SLUCHANKO, I.S., kand.med.nauk, assistent po razdelu sani-
tarnoy statistiki; MERKOV, A.M., prof., red.; SADVOKASOVA, Ye.A.,
dotsent, red.

[Handbook on the general theory of public health statistics]
Praktikum po obshchei teorii sanitarnoi statistiki. Pod red.
A.M.Merkova i E.A.Sadvokasovoi. Moskva, TSentr.in-t usover-
shenstvovaniia vrachei, 1959. 153 p.

(MIRA 14:3)

1. Kafedra organizatsii zdravookhraneniya TSentral'nogo instituta
usovershenstvovaniya vrachey (for Biryukova, Dogle, Sluchanko).
(PUBLIC HEALTH--STATISTICS)

BIRYUKOVA, R.N.; SLUCHANKO, I.S.; DOGLE, N.V.; MERKOV, A.M., prof.,
        red.;

        [Public health statistics; a study manual] Sanitarnaia sta-
        tistika; uchebnoe posobie. Utverzhdeno kafedroi organizatsii
        zdravookhraneniia TsIU 31. VII 1961 g.   Moskva, 1962.   66 p.
                                                (MIRA 15:8)

        1. Moscow. TSentral'nyy institut usovershenstvovaniya vrachey.
                (PUBLIC HEALTH—STATISTICS)

VOLODIN,V.S., inzhener; SLUCHANKO,N.A.

Automatic twin-electrode welding. Svar. proizv. no.3:21-22 Mr '55.
(MLRA 8:9)

1. VNIIStroyneft'
(Electric welding--Testing)

SLUCHANKO, N. A.

686° (Russian.) Some Technological Aspects of Automatic Flux-Shielded Welding of Lap-Joined Sheets 2.5 to 6 Millimeter Thick. Tekhnologiia avtomaticheskoi svarki pod fliusom nakhlestochnykh soedinenii listov tolshchinoi 2.5-6 mm. A. G: Mazel and N. A. Sluchanko. Stroitelstvo Predpriiatii Neftianoi Promyshlennosti, v. 1, no. 7, Sept. 1956, p. 14-16.

Experimental data and theoretical considerations on the optimum procedures for arc welding lap-joined sheets with d.c. reverse polarity.

SLUCHANKO, IV. A

Distr: 4E2c

Ceramic flux for welding low-carbon steel. R. P. Burkova, A. G. Mazel, Yu. A. Marchenko, and N. A. Sharenko. U.S.S.R. 105,819, Aug. 25, 1957. The flux contains Mn ore 54, magnesite 7, quartz sand 30, 75% ferrosilicon 7, and powd. Al 2%, and to this is added Na silicate, 15-17% of the wt. of the other components.   M. Hoseh

SLICHANKO, N.A., inzh.

Welding of plastics. Stroi.truboprov. 4 no.12:11-13 D '59.
(MIRA 13:5)

(Plastics--Welding)

SLUCHANKO, N.A., inzh.

Unit for the manufacture of pipes in the field. Stroi. truboprov.
7 no.6: Je '62.   (MIRA 15:7)
                        (United States—Pipelines)

YURUSHEV, A.N.; SLUCHANKO, N.A.

Still another new gas pipeline. Stroi, truboprov. 8 no.11:
4-7 '63
(MIRA 17:7)

SLUCHANKO, N.A.

Using the installation for field production of carbon dioxide. Strol.
truboprov. 10 no.9:26-27 S '65.
(MIRA 18:9)

POPOV, S.G., nauchnyy sotrudnik, dotsent; KOMAROV, A.M., nauchnyy sotrudnik,
       assistent SLUCHANOVSKAYA, Z.P.

       Aerodynamic resistance of textile threads. Tekst.prom. 22 no.4:
       77-83 Ap '62.   (MIRA 15:6)

       1. Mekhaniko-matematicheskiy fakul'tet Moskovskogo gosudarstvennogo
       universiteta.
                        (Thread—Testing)

POPOV, S.G., dótsent; KOMAROV, A.M., assistent; SLUCHANOVSKAYA, Z.P., mladshiy nauchnyy sotrudnik

Aerodynamic characteristics of ring spinning machine travelers.
Tekst.prom. 22 no.11:77-82 N '62.   (MIRA 15:11)

1. Sotrudniki kafedry aeromekhaniki i gazovoy dinamiki Moskovskogo
gosudarstvennogo universiteta.
(Spinning machinery)

SHAPIRO, I.I.; MIKHAYLOV, D.V., inzh.; MOSINA, T.S., inzh.; PETRASHKO,
    E.S., inzh.; SLUCHAYEV, P.N., inzh.; PETROCHENKO, P.F.; KHISIN,
    R.I., red.; GORDEYEVA, L.P., tekhn.red.

[General engineering norms for metal cutting operations and
time for technological standardization of machining on planing and
slotting machines; lot production] Obshchemashinostroitel'nye
normativy rezhimov rezaniia i vremeni dlia tekhnicheskogo normi-
rovaniia rabot na strogal'nykh i dolbezhnykh stankakh; seriinoe
proizvodstvo. Moskva, Gos.nauchno-tekhn.izd-vo mashinostroit.
lit-ry, 1959. 95 p.
                                                    (MIRA 12:12)

1. Moscow. Nauchno-issledovatel'skiy institut truda. TSentral'-
noye byuro promyshlennykh normativov po trudu. 2. TSentral'noye
byuro promyshlennykh normativov po trudu pri Nauchno-issledovatel'-
skom institute truda (for all except Khisin, Gordeyev). 3. Zave-
duyushchiy otdelom mashinostroyeniya TSentral'nogo byuro promysh-
lennykh normativov po trudu pri Nauchno-issledovatel'skom institute
truda (for Shapiro). 4. Glavnyy inzhener TSentral'nogo byuro pro-
myshlennykh normativov po trudu pri Nauchno-issledovatel'skom
institute truda (for Petrochenko).
                    (Metal cutting)

MIKHAYLOV, D.V.; VINNIK, L.M.; SLUCHAYEV, P.N.; SULYAGIN, V.I.;
BARYKOVA, G.I., red.izd-va; GORDEYEVA, L.P., tekhn.red.

[Norms for the wear, strength and consumption of metal-
cutting tools] Normy iznosa, stoikosti i raskhoda rezhu-
shchego instrumenta. Moskva, Gos.nauchno-tekhn.izd-vo mashi-
nostroit.lit-ry, 1961. 174 p.

(MIRA 15:2)

1. Russia (1923- U.S.S.R.) Glavnoye upravleniye nauchno-
issledovatel'skikh i proyektnykh organizatsiy. Nauchno-issle-
dovatel'skoye byuro tekhnicheskikh normativov. 2. Nauchno-
issledovatel'skoye byuro tekhnicheskikh normativov (for
Mikhaylov, Vinnik, Sluchayev, Sulyagin).
(Metal-cutting tools--Standards)

OTLIVANCHIK, A.N.: SLUCHAYEVA, L.M.; GORDEYEV, P.A., red. izd-va;
KUNIN, V.M.; nauchnyy red.; RUDAKOVA, N.I., tekhn. red.

[Experience with particle board for floors] Opyt primeneniia
drevesno-struzhechnykh plit dlia polov. Moskva, Gosstroiizdat,
1962. 47 p.   (MIRA 15:6)
            (Hardboard)   (Floors)

SLUCHEK, B.G.

Establishing norms for the performance of centrifugal rayon
spinning machines. Tekst.prom. 16 no.11:4-7 N '56.

(Rayon spinning--Production standards)   (MLRA 9:12)

SIMONOV, Sergey Nikolayevich; SLUCHEVSKAYA, L., red.; YAKOVLEVA, Ye.,
tekhn.red.

[Early green forage] Rannie zelenye korma. Moskva, Mosk.
rabochii, 1960. 75 p.   (MIRA 13:11)
(Forage plants)

SAL'NIKOV, Ivan Izotovich; SLUCHEVSKAYA, L., red.; YEGOROVA, I.,
        tekhn.red.

        [Possibilities for increasing labor productivity on state farms]
        Rezervy povyshenila proizvoditel'nosti truda v sovkhozakh.
        Moskva, Mosk.rabochii, 1960. 78 p.   (MIRA 14:2)
                (State farms--Labor productivity)

S/903/62/000/000/022/044
B102/B234

AUTHORS: Popov, V. I., Sal'nikov, O. A., Sluchevskaya, V. M.

TITLE: Scattered neutron spectra in the case of initial energies of
             3 Mev

SOURCE: Yadernyye reaktsii pri malykh i srednikh energiyakh; trudy
             Vtoroy Vsesoyuznoy konferentsii, iyul' 1960 g.   Ed. by
             A. S. Davydov and others. Moscow, Izd-vo AN SSSR, 1962, 256-260

TEXT: The energy spectra of 3-Mev neutrons inelastically scattered from
several metals used in reactor construction were measured in order to obtain
information on the behavior of neutrons in core and shield.   The measure-
ments were made in annular geometry in the case of 60° scattering.   An H_2+Ar

filled ionization chamber served as detector; this and the experimental
arrangement is described in Atomnaya energiya 3, 498, 1957. A deuteron-
bombarded heavy-ice target served as neutron source; the pulses from the
chamber were analyzed by means of a 128-channel pulse-height analyzer.
Besides the spectra of neutrons scattered through 60° from Na, Si, Pb and
Bi also the source spectrum was measured in the direction of the deuteron

Card 1/2

Scattered neutron speotra in the...

beam. The nuclear levels excited and the mean scattering cross sections were determined from the energy distributions measured (cf. Table). For Na in the range $2.45 \leqslant E_n \leqslant 4.00$ Mev also the excitation curve was constructed, under the assumption that inelastic scattering in this range is isotropic within error limits; σ_{in} drops linearly with increasing E_n. There are 5 figures and 1 table.

ASSOCIATION: Fiziko-energeticheskiy institut Gosudarstvennogo Komiteta Soveta Ministrov SSSR po ispol'zovaniyu atomnoy energii (Physics and Power Engineering Institute of the State Committee of the Council of Ministers of USSR on the Utilization of Atomic Energy)

Element	Nucl.level energy, Mev	σ, mb/srad
Na	0.46	40±4
Si	1.8	45±4
Pb	0.8—1.1	34±7
	1.5—2.0	51±5
Bi	0.9	44±7
	1.6	44±5

Card 2/2

PHASE I BOOK EXPLOITATION   SOV/6241

Sluchevskiy, Boris Fedorovich

Radiolokatsiya i yeye primeneniye (Radar and Its Application). Moscow,
   Voyenizdat, 1962.   258 p.

Ed.: I. I. Matlin; Tech. Ed.: Ye. K. Konovalova.

PURPOSE: This book is intended for officers of the armed forces having the
   general radio engineering background provided by the curriculum of mili-
   tary schools. It may also be useful for the general reader wanting to
   acquaint himself with the physical foundations of radar, its design and
   combat employment.

COVERAGE: Chapter I of the book deals with the physical foundations of radar,
   the interaction of basic units in pulse radar systems, the determination of
   the target position, automatic tracking systems and with tactical as well
   as technical characteristics of radar stations. Chapters II and III, based
   on non-Soviet sources, give the tactical and technical characteristics and the

Card 1/5

Radar and Its Application   SOV/6241

combat employment of ground radar systems. In addition, the general char-
acteristics of modern aircraft and shipboard radar equipment and identifi-
cation systems are listed. Chapter III deals with radar countermeasures
as well as with methods and means of noise elimination in radar stations.
According to the author, due to the rapid progress of radar technique and
of electronics as a whole, the concept of artillery has been revised com-
pletely and a new, modern, very accurate system of rocket firing control
has been developed. In connection with this, a new problem of quantita-
tive and qualitative reorganization of certain arms and their role in
modern warfare is of immediate importance. No personalities are mentioned.
There are 51 references: 36 Soviet (including 7 translations) and 15
English.

TABLE OF CONTENTS:

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L 44459-66   EWT(m)/T

ACC NR: AR6028128   SOURCE CODE: UR/0058/66/000/005/V021/V021

AUTHOR: Sluchevskaya, V. M.

ORG: none

TITLE: Inelastic neutron scattering

SOURCE: Ref. zh. Fizika, Abs. 5V169

REF SOURCE: Byul. Inform. tsentra po yadern. dannym, vyp. 2, 1965, 76-111

TOPIC TAGS: neutron scattering, inelastic interaction

ABSTRACT: The paper contains experimental results concerning inlastic inter-
action between neutrons and nuclei presented in the form of tables and graphs.
[Translation of abstract]   [DW]

SUB CODE: 20/

Card   1/1